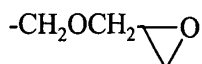
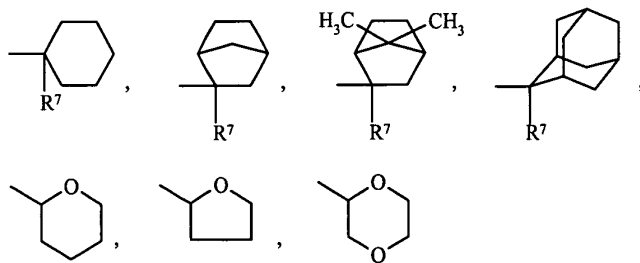


C₆-C₁₂ haloaryl and substituted and unsubstituted C₇-C₂₄ aralkyl, R¹ and R² or R³ and R⁴ can be taken together to represent a C₁-C₁₀ alkylidenyl group, -(CH₂)_nC(O)NH₂, -(CH₂)_nC(O)Cl, -(CH₂)_nC(O)OR⁵, -(CH₂)_n-OR⁵, -(CH₂)_n-OC(O)R⁵, -(CH₂)_n-C(O)R⁵, -(CH₂)_n-OC(O)OR⁵, -(CH₂)_nSiR⁵, -(CH₂)_nSi(OR⁵)₃, -(CH₂)_nC(O)OR⁶, and the group:



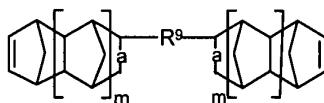
wherein n independently represents an integer from 0 to 10 and R⁵ independently represents hydrogen, linear and branched C₁-C₁₀ alkyl, linear and branched, C₂-C₁₀ alkenyl, linear and branched C₂-C₁₀ alkynyl, C₅-C₁₂ cycloalkyl, C₆-C₁₄ aryl, and C₇-C₂₄ aralkyl; R⁶ represents a radical selected from -C(CH₃)₃, -Si(CH₃)₃, -CH(R⁷)OCH₂CH₃, -CH(R⁷)OC(CH₃)₃, dicyclopropylmethyl, dimethylcyclopropylmethyl, or the following cyclic groups:



wherein R⁷ represents hydrogen or a linear or branched (C₁-C₅) alkyl group; R¹ and R⁴ together with the two ring carbon atoms to which they are attached can represent a substituted or unsubstituted cycloaliphatic group containing 4 to 30 ring carbon atoms, a substituted or unsubstituted aryl group containing 6 to 18 ring carbon atoms and combinations thereof; R¹ and R⁴ can be taken together to form the divalent bridging group, -C(O)-Q-(O)C-, which when taken together with the two ring carbon atoms to which they are attached form a pentacyclic ring, wherein Q represents an oxygen atom or the group N(R⁸), wherein R⁸ is selected from hydrogen, halogen, linear and branched C₁-C₁₀ alkyl, and C₆-C₁₈ aryl.

B2 59. (Amended) The reactant composition of claim 33, wherein said composition further comprises a rate moderator selected from the group consisting of water, tetrahydrofuran, 2-methyltetrahydrofuran, diethyl ether, methyl-*tert*-butyl ether, dimethoxyethane, diglyme, trimethylphosphine, triethylphosphine, tributylphosphine, tri(*ortho*-tolyl)phosphine, tri-*tert*-butylphosphine, tricyclopentylphosphine, tricyclohexylphosphine, triisopropylphosphine, trioctylphosphine, triphenylphosphine, tri(pentafluorophenyl)phosphine, methyldiphenylphosphine, dimethylphenylphosphine, trimethylphosphite, triethylphosphite, triisopropylphosphite, ethyl diphenylphosphinite, tributylphosphite, triphenylphosphite, diethylphenylphosphonite, and tribenzylphosphine, 2-cyclohexenone, triphenylphosphine oxide, and mixtures thereof.

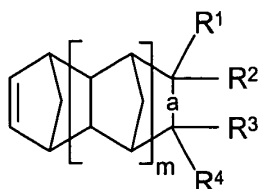
B3 74. (Amended) The multifunctional polycycloolefin monomer set forth in claims 55, wherein said monomer is selected from a composition of the formula:



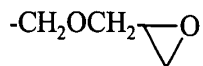
wherein "a" independently represents a single or double bond, m independently is an integer from 0 to 5, R^9 is a divalent radical selected from divalent hydrocarbyl radicals and divalent ether radicals.

The following is a **marked** version of the prior pending claims with all changes shown in conventional comparison:

56. (Amended) The reactant composition claim [32,] 33, [43, 44, 48, or 55] wherein said polycycloolefin comprises a monomer selected from a compound of the formula:

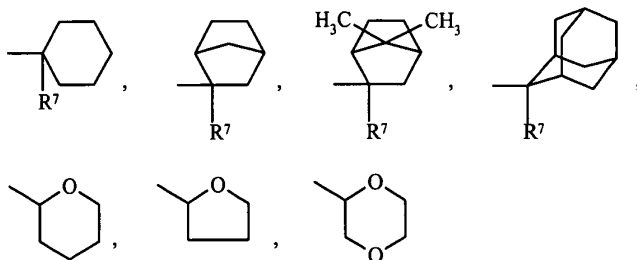


wherein "a" represents a single or double bond; m is an integer from 0 to 5; when "a" is a double bond one of R¹, R² and one of R³, R⁴ is not present; and R¹ to R⁴ independently represent hydrogen, substituted and unsubstituted linear and branched C₁-C₁₀ alkyl, linear and branched C₁-C₁₀ haloalkyl, substituted and unsubstituted linear and branched C₂-C₁₀ alkenyl, linear and branched C₂-C₁₀ haloalkenyl, substituted and unsubstituted linear and branched C₂-C₁₀ alkynyl, substituted and unsubstituted C₄-C₁₂ cycloalkyl, substituted and unsubstituted C₄-C₁₂ halocycloalkyl, substituted and unsubstituted C₄-C₁₂ cycloalkenyl, substituted and unsubstituted C₄-C₁₂ halocycloalkenyl, substituted and unsubstituted C₆-C₁₂ aryl, substituted and unsubstituted C₆-C₁₂ haloaryl and substituted and unsubstituted C₇-C₂₄ aralkyl, R¹ and R² or R³ and R⁴ can be taken together to represent a C₁-C₁₀ alkylidenyl group, -(CH₂)_nC(O)NH₂, -(CH₂)_nC(O)Cl, -(CH₂)_nC(O)OR⁵, -(CH₂)_n-OR⁵, -(CH₂)_n-OC(O)R⁵, -(CH₂)_n-C(O)R⁵, -(CH₂)_n-OC(O)OR⁵, -(CH₂)_nSiR⁵, -(CH₂)_nSi(OR⁵)₃, -(CH₂)_nC(O)OR⁶, and the group:



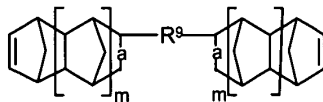
wherein n independently represents an integer from 0 to 10 and R⁵ independently represents hydrogen, linear and branched C₁-C₁₀ alkyl, linear and branched, C₂-C₁₀ alkenyl, linear and branched C₂-C₁₀ alkynyl, C₅-C₁₂ cycloalkyl, C₆-C₁₄ aryl, and C₇-C₂₄ aralkyl; R⁶ represents a

radical selected from $-\text{C}(\text{CH}_3)_3$, $-\text{Si}(\text{CH}_3)_3$, $-\text{CH}(\text{R}^7)\text{OCH}_2\text{CH}_3$, $-\text{CH}(\text{R}^7)\text{OC}(\text{CH}_3)_3$, dicyclopropylmethyl, dimethylcyclopropylmethyl, or the following cyclic groups:



wherein R^7 represents hydrogen or a linear or branched (C_1 - C_5) alkyl group; R^1 and R^4 together with the two ring carbon atoms to which they are attached can represent a substituted or unsubstituted cycloaliphatic group containing 4 to 30 ring carbon atoms, a substituted or unsubstituted aryl group containing 6 to 18 ring carbon atoms and combinations thereof; R^1 and R^4 can be taken together to form the divalent bridging group, $-\text{C}(\text{O})-\text{Q}-(\text{O})\text{C}-$, which when taken together with the two ring carbon atoms to which they are attached form a pentacyclic ring, wherein Q represents an oxygen atom or the group $\text{N}(\text{R}^8)$, wherein R^8 is selected from hydrogen, halogen, linear and branched C_1 - C_{10} alkyl, and C_6 - C_{18} aryl.

59. (Amended) The reactant composition of claim [32,] 33, [43, 44, 48, 55 or 56] wherein said composition further comprises a rate moderator selected from the group consisting of water, tetrahydrofuran, 2-methyltetrahydrofuran, diethyl ether, methyl-*tert*-butyl ether, dimethoxyethane, diglyme, trimethylphosphine, triethylphosphine, tributylphosphine, tri(ortho-tolyl)phosphine, tri-*tert*-butylphosphine, tricyclopentylphosphine, tricyclohexylphosphine, triisopropylphosphine, trioctylphosphine, triphenylphosphine, tri(pentafluorophenyl)phosphine, methyldiphenylphosphine, dimethylphenylphosphine, trimethylphosphite, triethylphosphite, triisopropylphosphite, ethyl diphenylphosphinite, tributylphosphite, triphenylphosphite, diethylphenylphosphonite, and tribenzylphosphine, 2-cyclohexenone, triphenylphosphine oxide, and mixtures thereof.

[illegible]

wherein "a" independently represents a single or double bond, m independently is an integer from 0 to 5, R⁹ is a divalent radical selected from divalent hydrocarbyl radicals and divalent ether radicals.